



# Quick Disconnect



## 880-002R Cable Receptacle with Pigtail Wires and Integral Banding Porch



Series 880 Quick-Disconnect (QDC) cable receptacles are pre-wired and sealed with epoxy. In-line receptacle has integral shield termination platform and Three contact sizes are available with current ratings of 5A, 3A and 1A. Aluminum or stainless steel housings and thermoplastic insulators. High-strength wire with crosslinked ETFE insulation crimped at factory to high performance contacts. Ultraminiature SuperFly® connectors are ideal for soldier systems and other applications where reduced size and weight are critical.

B

| Shell Size and Insert Arrangements |                 |           |          |
|------------------------------------|-----------------|-----------|----------|
| Insert Arrangement                 | No. of Contacts |           |          |
|                                    | #23 5A.         | Micro 3A. | Nano 1A. |
| B7N                                | —               | —         | 7        |
| C10N                               | —               | —         | 10       |
| C2M2N                              | —               | 2         | 2        |
| D3M                                | —               | 3         | —        |
| D2W2N                              | 2               | —         | 2        |
| E3W                                | 3               | —         | —        |
| E4M                                | —               | 4         | —        |
| E19N                               | —               | —         | 19       |
| E4M4N                              | —               | 4         | 4        |
| F4W                                | 4               | —         | —        |
| F7M                                | —               | 7         | —        |
| F22N                               | —               | —         | 22       |
| F4M8N                              | —               | 4         | 8        |
| F4W4N                              | 4               | —         | 4        |
| G7W                                | 7               | —         | —        |
| G10M                               | —               | 10        | —        |
| G31N                               | —               | —         | 31       |
| G6M10N                             | —               | 6         | 10       |
| G6M12N                             | —               | 6         | 12       |
| H10W                               | 10              | —         | —        |
| H37N                               | —               | —         | 37       |
| H6W14N                             | 6               | —         | 14       |
| J44N                               | —               | —         | 44       |
| J7W19N                             | 7               | —         | 19       |
| K19M                               | —               | 19        | —        |
| K13M19N                            | —               | 13        | 19       |
| L22M                               | —               | 22        | —        |

First letter of insert arrangement represents connector shell size, as in this example: **K13M19N**

### NOTES

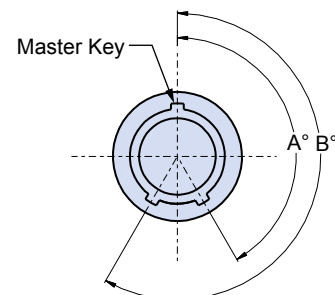
1. See Section A for insert arrangement layouts
2. See Section A for additional finish options

| How To Order                 |                                                                                                                                                                                                                                                            |   |      |    |     |   |   |     |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------|----|-----|---|---|-----|
| Sample Part Number           | 880-002R                                                                                                                                                                                                                                                   | A | -B7N | -M | 004 | J | 1 | -24 |
| Series                       | 880-002R                                                                                                                                                                                                                                                   |   |      |    |     |   |   |     |
| Insert Style                 | <b>A</b> = Unshrouded Contacts<br><b>B</b> = Shrouded Contacts<br>Shrouded contacts are recessed within the insulator                                                                                                                                      |   |      |    |     |   |   |     |
| Shell Size/Insert Arr. 1     | See Shell Size and Insert Arrangement Table                                                                                                                                                                                                                |   |      |    |     |   |   |     |
| Material/Finish <sup>2</sup> | <b>M</b> = Aluminum/electroless nickel RoHS compliant<br><b>ZR</b> = Aluminum/zinc-nickel, non-reflective with RoHS compliant black chromate<br><b>MT</b> = Aluminum/nickel-PTFE RoHS compliant<br><b>ZMT</b> = Stainless steel/nickel-PTFE RoHS compliant |   |      |    |     |   |   |     |
| Wire AWG                     | See Wire Code Table                                                                                                                                                                                                                                        |   |      |    |     |   |   |     |
| Wire Type                    | <b>J</b> = "Space Grade" wire M22759/33 or equivalent (ETFE)                                                                                                                                                                                               |   |      |    |     |   |   |     |
| Wire Color                   | <b>1</b> = White<br><b>5</b> = Full Color; 1-10 solid color, 11 and up are striped<br><b>7</b> = 10 Color Repeating; Wire #1 black, Wire #11 black, etc                                                                                                    |   |      |    |     |   |   |     |
| Wire Length                  | Overall length ('L') in inches measured from front of connector                                                                                                                                                                                            |   |      |    |     |   |   |     |

### MOD-686 POLARIZING OPTIONS

Standard SuperFly® connectors have a single master key. Versions with three keys are also available if alternate key positions are required. Add suffix code 686 to the part number per the following example: 880-002RA-B7N-M004J1-24-**686A**

| Plug Alternate Key Positions |      |      |
|------------------------------|------|------|
| Suffix Code                  | A°   | B°   |
| 686A                         | 150° | 210° |
| 686B                         | 75°  | 210° |
| 686C                         | 95°  | 230° |
| 686D                         | 140° | 275° |
| 686E                         | 75°  | 275° |
| 686F                         | 95°  | 210° |





# Quick Disconnect

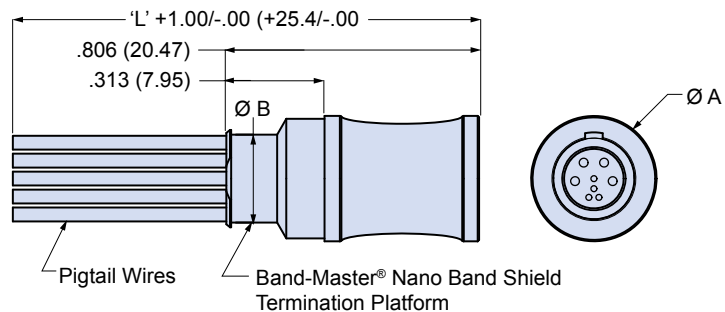
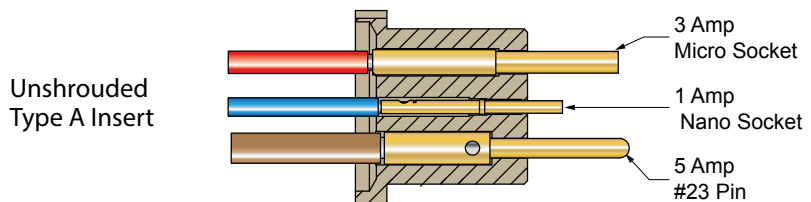
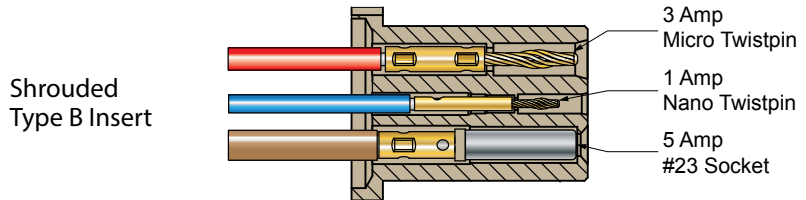


## 880-002R Cable Receptacle with Pigtail Wires and Integral Banding Porch

### ABOUT SHROUDED AND UNSHROUDED SUPERFLY® CONFIGURATIONS

Shrouded contacts are recessed within the insert. Unshrouded contacts extend from the insert face. Shrouded inserts contain 1 amp and 3 amp Twistpin contacts along with 5 amp socket contacts. Unshrouded inserts contain 1 amp and 3 amp sockets and 5 amp pin.

| Wire Code Table                             |         |           |          |      |
|---------------------------------------------|---------|-----------|----------|------|
| Layouts with 5A. Contacts                   |         |           |          |      |
| Insert Arrangement                          | #23 5A. | Micro 3A. | Nano 1A. | Code |
| E3W, F4W, G7W, H10W                         | #22     | —         | —        | 100  |
|                                             | #24     | —         | —        | 200  |
|                                             | #26     | —         | —        | 300  |
| Layouts with 5A. and 1A. Contacts           |         |           |          |      |
| Insert Arrangement                          | #23 5A. | Micro 3A. | Nano 1A. | Code |
| D2W2N, F4W4N, H6W14N, J7W19N                | #22     | —         | #28      | 104  |
|                                             | #24     | —         | #28      | 204  |
|                                             | #26     | —         | #28      | 304  |
|                                             | #22     | —         | #30      | 105  |
|                                             | #24     | —         | #30      | 205  |
|                                             | #26     | —         | #30      | 305  |
|                                             | #22     | —         | #32      | 106  |
|                                             | #24     | —         | #32      | 206  |
|                                             | #26     | —         | #32      | 306  |
| Layouts with 3A. Contacts                   |         |           |          |      |
| Insert Arrangement                          | #23 5A. | Micro 3A. | Nano 1A. | Code |
| D3M, E4M F7M, G10M, K19M, L22M              | —       | #24       | —        | 020  |
|                                             | —       | #26       | —        | 030  |
|                                             | —       | #28       | —        | 040  |
|                                             | —       | #30       | —        | 050  |
| Layouts with 3A. and 1A. Contacts           |         |           |          |      |
| Insert Arrangement                          | #23 5A. | Micro 3A. | Nano 1A. | Code |
| C2M2N, E4M4N, F4M8N G6M10N, G6M12N, K13M19N | —       | #24       | #28      | 024  |
|                                             | —       | #26       | #28      | 034  |
|                                             | —       | #28       | #28      | 044  |
|                                             | —       | #24       | #30      | 025  |
|                                             | —       | #26       | #30      | 035  |
|                                             | —       | #28       | #30      | 045  |
|                                             | —       | #24       | #32      | 026  |
|                                             | —       | #26       | #32      | 036  |
| Layouts with 1A. Contacts                   |         |           |          |      |
| Insert Arrangement                          | #23 5A. | Micro 3A. | Nano 1A. | Code |
| B7N, C10N, E19N, F22N, G31N, H37N, J44N     | —       | —         | #28      | 004  |
|                                             | —       | —         | #30      | 005  |
|                                             | —       | —         | #32      | 006  |



| Dimensions |         |       |      |       |
|------------|---------|-------|------|-------|
| Shell Size | Ø A MAX |       | Ø B  |       |
|            | In.     | mm.   | In.  | mm.   |
| B          | .317    | 8.05  | .197 | 5.00  |
| C          | .342    | 8.69  | .222 | 5.64  |
| D          | .355    | 9.02  | .235 | 5.97  |
| E          | .381    | 9.68  | .261 | 6.63  |
| F          | .400    | 10.16 | .280 | 7.11  |
| G          | .422    | 10.72 | .302 | 7.67  |
| H          | .459    | 11.66 | .339 | 8.61  |
| J          | .487    | 12.37 | .369 | 9.37  |
| K          | .509    | 12.93 | .391 | 9.93  |
| L          | .548    | 13.92 | .430 | 10.92 |

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

***Click to view similar products for*** [Circular MIL Spec Connector](#) ***category:***

***Click to view products by*** [Glenair](#) ***manufacturer:***

Other Similar products are found below :

[0025-262-542](#) [0025-264-3014](#) [58-570121-04S](#) [0134-202-1200](#) [0134-207-1206](#) [0134-207-1800](#) [0134-207-2207](#) [0134-213-0806](#) [0134-213-1007](#) [0134-213-1009](#) [0134-213-1208](#) [0134-213-1800](#) [0134-213-2209](#) [0025-258-000](#) [015-9516-002](#) [60-042722-19P](#) [0114-201-1278](#) [602GB06EG24-61SN](#) [0134-201-1207](#) [0134-201-1806](#) [0134-201-2006](#) [0134-201-2007](#) [0134-201-2010](#) [0134-202-1400](#) [0134-207-0809](#) [0134-207-1208](#) [0134-207-2009](#) [0134-213-1006](#) [6104-207-2302](#) [6104-208-1902](#) [6131-202-19149P](#) [6131-204-21149P](#) [6131-207-13149P](#) [6131-208-13149P](#) [6131-209-17149P](#) [6131-210-11149P](#) [6131-211-19149P](#) [6131-216-19149P](#) [6131-220-25149P](#) [6131-259-11149P](#) [6131-259-21149P](#) [6131-259-23149P](#) [6131-263-19149P](#) [6131-265-17149P](#) [6131-265-19149P](#) [CS3102A-20-15P](#) [CS3102A-20-15S](#) [CS3102C18-4P-472](#) [CS3106A-20-29P](#) [CS3106A-20-74P](#)